Report Accompanying for the Work:- Improvements of CC roads, drains & Other works at Gowdike Hola (Jodidar narasimaiah Layout) in Ward No 14, Bagalagunte

****

The detail Estimation is prepare as per actual Site Condition and CSR PWD Banaglore Circle year 2018-19 for the work Improvements of CC roads, drains & Other works at Vijaya Lakshmi Layout in Ward No 14, P. Code:1878 As directed by Honourable Deputy Chief minister Letter Vide No:ಉಮುಮು/1284/2019, Dt.04.07.2019 Due to BWSSB pipe line layed and BESCOM Cable also layed in roads are very bad condition. Hence the improvement is required for above said work.

<u>The Following provisions are made in this Estimate:-</u>

1. Dismantling the Existing road Surface
2. Earth work Lowering and Levelling
3. Providing PCC Bed 1:3:6 for CC drain
4. Providing M20 Concrete for U Shape drain
5. Providing Precast RCC Covering Slab
6. Providing & laying Dry lean Concrete
7. Providing & laying Wet Mix Macadam
8. Providing & laying M 30 CC Pavement

Asst.Engineer
Ward No 14, Bagalagunte

Asst.Exe.Engineer
T.Dasarahalli Sub-Division

Scanned with CamScanner

Name of Work :IMPROVEMENT OF CC ROADS, DRAINS AND OTHER WORKS AT GOWDIKE HOOLA (JODIDHAR NARASIMHAIAH LAYOUT) IN WARD NO 14

DQ Item No	Item code	Description Of item of work	Nos		Measurements Length	Breath	Depth	Quantity	Units	Rate	Amount
1		2	3	4	5	6	7	8	9	10	11
1	18.47	KSRRB M200-24. Dismantling of cement concrete pavement by mechanical means using pneumatic tools, breaking to pieces not exceeding 0.02 cum in volume and stock piling at designated locations and disposal of dismantled materials stacking serviceable and unserviceable materials seperately complete as per specifications. MORTH Specification No. 202 **(P.No. 140/ I. No. 18.47 of CSR 2018-19)**									
		EXISTING CC PAVEMENT									
		9TH MAIN ROAD	1	1	30.00	4.00	0.15	18.00			
			1	1	30.00	4.05	0.15	18.23			
			1	1	30.00	3.65	0.15	16.43			
			1	1	30.00	3.25	0.15	14.63			
			1	1	21.00	3.35	0.15	10.55			
		9TH MAIN ROAD 1ST CROSS R/S	1	1	41.00	2.30	0.15	14.15			
		9TH MAIN ROAD 2ND CROSS R/S	1	1	41.00	2.55	0.15	15.68			
		9TH MAIN ROAD 3RD CROSS R/S	1	1	37.00	2.90	0.15	16.10			
		9TH MAIN ROAD 3RD CROSS L/S	1	1	30.00	4.55	0.15	20.48			
			1	1	18.50	4.70	0.15	13.04			
			1	1	7.00	4.70	0.15	4.94			
		9TH MAIN ROAD 4TH CROSS R/S	1	1	30.00	3.00	0.15	13.50			
			1	1	11.00	3.45	0.15	5.69			
		9TH MAIN ROAD 4TH CROSS L/S	1	1	30.00	4.15	0.15	18.68			
			1	1	30.00	4.25	0.15	19.13			
			1	1	30.00	4.30	0.15	19.35			
			1	1	5.00	4.50	0.15	3.38			
		9TH MAIN ROAD 5TH CROSS R/S	1	1	30.00	2.50	0.15	11.25			
			1	1	12.00	2.50	0.15	4.50			
		9TH MAIN ROAD 6TH CROSS R/S	1	1	38.00	3.35	0.15	19.10			
		7TH MAIN ROAD	1	1	48.00	5.10	0.15	36.72			
		TOTAL LENGTH CUT BY BWSSB	-1	1	579.50	0.60	0.15	-52.16			
					Total Qty			**261.33**	**Cum**	**952.94**	**2,49,031.81**
2	18.27	KSRRB M200-15.2. Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts complete as per specifications. iii) Dismantling Stone Masonry.B. Rubble stone masonry in cement mortar. MORTH Specification No. 202 **(P.No. 140/ I. No. 18.27 of CSR 2018-19)**									
		EXISTING DRAIN									
		9TH MAIN ROAD	2	2	120.00	0.15	0.75	54.00			
			1	2	120.00	0.90	0.10	21.60			
		9TH MAIN ROAD 1ST CROSS R/S	2	2	41.00	0.15	0.75	18.45			
			1	2	41.00	0.90	0.10	7.38			
		9TH MAIN ROAD 2ND CROSS R/S	2	2	41.00	0.15	0.60	14.76			
			1	2	41.00	0.90	0.10	7.38			
		9TH MAIN ROAD 3RD CROSS R/S-R	1	2	37.00	0.15	0.60	6.66			
			1	1	37.00	0.60	0.10	2.22			
		9TH MAIN ROAD 3RD CROSS R/S-L	1	2	37.00	0.15	0.60	6.66			
			1	1	37.00	0.90	0.10	3.33			
		9TH MAIN ROAD 3RD CROSS L/S	2	2	30.00	0.15	0.60	10.80			

Scanned with CamScanner

BOQ Item	Item code	Description Of item of work	Nos		Measurements			Quantity	Units	Rate	Amount
					Length	Breath	Depth				
1		2	3	4	5	6	7	8	9	10	11
			1	2	30.00	0.90	0.10	5.40			
			2	2	18.50	0.15	0.60	6.66			
			1	2	18.50	0.90	0.10	3.33			
			2	2	7.00	0.15	0.60	2.52			
			1	2	7.00	0.90	0.10	1.26			
		9TH MAIN ROAD 4TH CROSS R/S	1	2	30.00	0.15	0.60	5.40			
			1	1	30.00	0.90	0.10	2.70			
			1	2	11.00	0.15	0.60	1.98			
			1	1	11.00	0.90	0.10	0.99			
		9TH MAIN ROAD 4TH CROSS L/S	2	2	30.00	0.15	0.60	10.80			
			1	2	30.00	0.90	0.10	5.40			
			2	2	30.00	0.15	0.60	10.80			
			1	2	30.00	0.90	0.10	5.40			
			2	2	30.00	0.15	0.60	10.80			
			1	2	30.00	0.90	0.10	5.40			
			2	2	5.00	0.15	0.60	1.80			
			1	2	5.00	0.90	0.10	0.90			
		9TH MAIN ROAD 5TH CROSS R/S	2	2	30.00	0.15	0.60	10.80			
			1	2	30.00	0.60	0.10	3.60			
			2	2	12.00	0.15	0.60	4.32			
			1	2	12.00	0.60	0.10	1.44			
		9TH MAIN ROAD 6TH CROSS R/S	2	2	38.00	0.15	0.60	13.68			
			1	2	38.00	0.60	0.10	4.56			
					Total Qty			**268.62**	**Cum**	**372.06**	**99,942.76**
3	19.1	KSRRB 300 - Excavation for road, drains and similar works KSRRB 300-1. Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications. MORTH / Chapter 3 **(P.No. 143/ I. No. 19.1 of CSR 2018-19)**									
		FOR LOWERING GROUND LEVEL TO CC PAVEMENT									
		9TH MAIN ROAD	1	1	30.00	4.00	0.45	54.00			
			1	1	30.00	4.05	0.45	54.68			
			1	1	30.00	3.65	0.45	49.28			
			1	1	30.00	3.25	0.45	43.88			
			1	1	21.00	3.35	0.45	31.66			
		9TH MAIN ROAD 1ST CROSS R/S	1	1	41.00	2.30	0.45	42.44			
		9TH MAIN ROAD 2ND CROSS R/S	1	1	41.00	2.55	0.45	47.05			
		9TH MAIN ROAD 3RD CROSS R/S	1	1	37.00	2.90	0.45	48.29			
		9TH MAIN ROAD 3RD CROSS L/S	1	1	30.00	4.55	0.45	61.43			
			1	1	18.50	4.70	0.45	39.13			
			1	1	7.00	4.70	0.45	14.81			
		9TH MAIN ROAD 4TH CROSS R/S	1	1	30.00	3.00	0.45	40.50			
			1	1	11.00	3.45	0.45	17.08			
		9TH MAIN ROAD 4TH CROSS L/S	1	1	30.00	4.15	0.45	56.03			
			1	1	30.00	4.25	0.45	57.38			
			1	1	30.00	4.30	0.45	58.05			
			1	1	5.00	4.50	0.45	10.13			
		9TH MAIN ROAD 5TH CROSS R/S	1	1	30.00	2.50	0.45	33.75			
			1	1	12.00	2.50	0.45	13.50			
		9TH MAIN ROAD 6TH CROSS R/S	1	1	38.00	3.35	0.45	57.29			
		7TH MAIN ROAD	1	1	48.00	5.10	0.45	110.16			

Scanned with CamScanner

	Item code	Description Of item of work	Nos		Measurements Length	Breath	Depth	Quantity	Units	Rate	Amount
		2	3	4	5	6	7	8	9	10	11
		DRAIN									
		9TH MAIN ROAD	1	2	120.00	1.10	0.30	79.20			
		9TH MAIN ROAD 1ST CROSS R/S	1	2	41.00	1.10	0.30	27.06			
		9TH MAIN ROAD 2ND CROSS R/S	1	2	41.00	1.10	0.30	27.06			
		9TH MAIN ROAD 3RD CROSS R/S-R	1	1	37.00	1.10	0.30	12.21			
		9TH MAIN ROAD 3RD CROSS R/S-L	1	1	37.00	1.10	0.30	12.21			
		9TH MAIN ROAD 4TH CROSS R/S	1	1	30.00	1.10	0.30	9.90			
			1	1	11.00	1.10	0.30	3.63			
		9TH MAIN ROAD 5TH CROSS R/S	1	2	30.00	0.80	0.30	14.40			
			1	2	12.00	0.80	0.30	5.76			
		9TH MAIN ROAD 6TH CROSS R/S	1	2	38.00	0.80	0.30	18.24			
		DEDUCT DESILTING QTY IN DRAIN									
		9TH MAIN ROAD	-1	2	120.00	0.90	0.30	-64.80			
		9TH MAIN ROAD 1ST CROSS R/S	-1	2	41.00	0.90	0.30	-22.14			
		9TH MAIN ROAD 2ND CROSS R/S	-1	2	41.00	0.90	0.30	-22.14			
		9TH MAIN ROAD 3RD CROSS R/S-R	-1	1	37.00	0.60	0.30	-6.66			
		9TH MAIN ROAD 3RD CROSS R/S-L	-1	1	37.00	0.90	0.30	-9.99			
		9TH MAIN ROAD 4TH CROSS R/S	-1	1	30.00	0.90	0.30	-8.10			
			-1	1	11.00	0.90	0.30	-2.97			
		9TH MAIN ROAD 5TH CROSS R/S	-1	2	30.00	0.60	0.30	-10.80			
			-1	2	12.00	0.60	0.30	-4.32			
		9TH MAIN ROAD 6TH CROSS R/S	-1	2	38.00	0.60	0.30	-13.68			
		12TH MAIN ROAD	1	2	36.50	0.60	0.45	19.71			
					Total Qty			**1004.24**	**Cum**	**137.80**	**1,38,383.58**
4	4.7	KSRB 4-1.7 : Providing and laying in position plain cement concrete of mix 1:3:6 with OPC cement @ 220kgs, with 20mm and down size graded granite metal coarse aggregates @0.84cum and fine aggregtes @ 0.56cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, ncluding cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2 **(P.No. 143/ I. No. 4.7 of CSR 2018-19)**									
		PCC FOR DRAIN									
		9TH MAIN ROAD	1	2	120.00	1.10	0.15	39.60			
		9TH MAIN ROAD 1ST CROSS R/S	1	2	41.00	1.10	0.15	13.53			
		9TH MAIN ROAD 2ND CROSS R/S	1	2	41.00	1.10	0.15	13.53			
		9TH MAIN ROAD 3RD CROSS R/S-R	1	1	37.00	1.10	0.15	6.11			
		9TH MAIN ROAD 3RD CROSS R/S-L	1	1	37.00	1.10	0.15	6.11			
		9TH MAIN ROAD 4TH CROSS R/S	1	1	30.00	1.10	0.15	4.95			
			1	1	11.00	1.10	0.15	1.82			
		9TH MAIN ROAD 5TH CROSS R/S	1	2	30.00	0.80	0.15	7.20			
			1	2	12.00	0.80	0.15	2.88			
		9TH MAIN ROAD 6TH CROSS R/S	1	2	38.00	0.80	0.15	9.12			
					Total Qty			**104.84**	**Cum**	**5714.99**	**5,99,130.98**
5	37.59.2	Providing and laying palin / reinforced cement concrete for side drain using M20 nominal mix conncrete with OPC cement @ 300kgs, with 20mm and down size graded granite metal coarse aggregates @0.69 cum and fine aggregtes @ 0.43cum, with super plasticisers @ 3 liters confirming to is 9103-1999 reafirmed-2008 at machine mixed, well compacted for walls and bottom including centering,shuttering, cost of materials,HOM of machinery, curing etc complete excluding cost of steel as per MORTH Specification No. 1500,1700,2200 including cost of materials, labour, HOM complete as per specifications wall & botton thickness 15cm **(P.No. 271/ I. No. 37.59.2 of CSR 2018-19)**									
		DRAIN									

Scanned with CamScanner

)Q em l	Item code	Description Of item of work	Nos		Measurements Length	Breath	Depth	Quantity	Units	Rate	Amount
		2	3	4	5	6	7	8	9	10	11
		9TH MAIN ROAD	2	2	120.00	0.15	0.75	54.00			
			1	2	120.00	0.90	0.15	32.40			
		9TH MAIN ROAD 1ST CROSS R/S	2	2	41.00	0.15	0.75	18.45			
			1	2	41.00	0.90	0.15	11.07			
		9TH MAIN ROAD 2ND CROSS R/S	2	2	41.00	0.15	0.60	14.76			
			1	2	41.00	0.90	0.15	11.07			
		9TH MAIN ROAD 3RD CROSS R/S-R	1	2	37.00	0.15	0.60	6.66			
			1	1	37.00	0.60	0.15	3.33			
		9TH MAIN ROAD 3RD CROSS R/S-L	1	2	37.00	0.15	0.60	6.66			
			1	1	37.00	0.90	0.15	5.00			
		9TH MAIN ROAD 4TH CROSS R/S	1	2	30.00	0.15	0.60	5.40			
			1	1	30.00	0.90	0.15	4.05			
			1	2	11.00	0.15	0.60	1.98			
			1	1	11.00	0.90	0.15	1.49			
		9TH MAIN ROAD 5TH CROSS R/S	2	2	30.00	0.15	0.60	10.80			
			1	2	30.00	0.60	0.15	5.40			
			2	2	12.00	0.15	0.60	4.32			
			1	2	12.00	0.60	0.15	2.16			
		9TH MAIN ROAD 6TH CROSS R/S	2	2	38.00	0.15	0.60	13.68			
			1	2	38.00	0.60	0.15	6.84			
					Total Qty			**212.67**	**Cum**	**7189.45**	**15,28,980.33**
6	28.8.2	KSRRB M2200- TMT/MS Bar Reinforcement KSRRB M2200-6. Supplying, fitting and placing TMT bar reinforcement in sub-structure complete as per drawing and Technical Specifications complete as per specificationsMORTH Specification No.1600 & 2200 - TMT Bars Fe 500 **(P.No. 229/ I. No. 28.8.2 of CSR 2018-19)**									
			212.67		X	71.50	KG/CUM	15,205.91	Kgs		
								15.21	TONNE		
								15.21	**TONNE**	**72326.98**	**10,99,797.19**
7	4.7	Providing & fixing Precast RCC slab of 100mm thick for drain in cement concrete 1:1:5:3 using graded granite jelly 20mm and down size with steel reinforcement and pointing for joints 1:3 cement mortar including from work lift charges, curing and concrete finished surface on both side etc., (APPROVED DATA RATE COPY ATTACHED)									
		COVERING SLAB FOR DRAIN									
		9TH MAIN ROAD	1	2	120.00	0.90		216.00			
		9TH MAIN ROAD 1ST CROSS R/S	1	2	41.00	0.90		73.80			
		9TH MAIN ROAD 2ND CROSS R/S	1	2	41.00	0.90		73.80			
		9TH MAIN ROAD 3RD CROSS R/S-R	1	1	37.00	0.60		22.20			
		9TH MAIN ROAD 3RD CROSS R/S-L	1	1	37.00	0.90		33.30			
		9TH MAIN ROAD 4TH CROSS R/S	1	1	30.00	0.90		27.00			
			1	1	11.00	0.90		9.90			
		9TH MAIN ROAD 5TH CROSS R/S	1	2	30.00	0.60		36.00			
			1	2	12.00	0.60		14.40			
		9TH MAIN ROAD 6TH CROSS R/S	1	2	38.00	0.60		45.60			
					Total Qty			**552.00**			
		CONSIDERING 90% NEW AND 10 REUSABLE						**496.80**			
		12TH MAIN ROAD	1	2	36.50	0.60		43.80			
		Total Qty						**43.80**			
		CONSIDERING AND REPACING 30% DAMAGED						**13.14**			
					Total Qty			**509.94**	**Sqm**	**1615.00**	**8,23,553.10**
8	37.56	Removing and resetting of footpath slab **(P.No. 270/ I. No. 37.56 of CSR 2018-19)**									

Scanned with CamScanner

Item code	Description Of item of work	Nos		Measurements			Quantity	Units	Rate	Amount
				Length	Breath	Depth				
	2	3	4	5	6	7	8	9	10	11
	COVERING SLAB FOR DRAIN									
	CONSIDERING 10% OF QTY IN I NO 7						55.20			
		1	2	36.50	0.60		43.80			
	3RD CROSS L/S	1	2	46.00	0.60		55.20			
	4RD CROSS L/S	1	2	30.00	0.60		36.00			
				Present qty			**190.20**	**Sqm**	**208.82**	**39,717.56**
9 15.8	KSRB 15.2.2 Providing ruled pointing to stone slab pavements with cement mortar 1:3, 20mm deep, after raking joints , including cost of materials, labour, curing complete as per specifications. **(P.No. 115/ I. No. 15.8 of CSR 2018-19)**									
	COVERING SLAB FOR DRAIN									
	QTY AS IN I NO 8						55.20			
	12TH MAIN ROAD	1	2	36.50	0.60		43.80			
				Present qty			**99.00**	**Sqm**	**48.76**	**4,827.24**
10 15.8	KSRB 5-8.1 : Providing one line dressing to granite stone slab / granite stone masonry as per specifications .KBS 5.1.13 **(P.No. 27.00/ I. No. 5.17 of CSR 2018-19)**									
	COVERING GRANITE SLAB FOR DRAIN									
	3RD CROSS L/S	1	2	46.00	0.60		55.20			
	4RD CROSS L/S	1	2	30.00	0.60		36.00			
				Present qty			**91.20**	**Sqm**	**950.82**	**86,714.78**
11 22.1.2	KSRRB M600-1. Construction of dry lean cement concrete mix CC1:5:10 with OPC cement @160Kgs, with 25mm and down size graded granite metal coarse aggregate at 0.86cum and fine aggregates @ 0.58cum Sub- base over a prepared sub-grade with (coarse and fine aggregate conforming to IS: 383) aggregate cement ratio not to exceed 15:1. Aggregate gradation after blending to be as per Table 600-1, cement content not to be less than 160 kg/ cum, optimum moisture content to be determined during trial length construction, concrete strength not to be less than 10 Mpa at 7 days, mixed in a batching plant, transported to site, laid with a paver with electronic sensor, compacting with 8-10 tonnes vibratory roller, finishing and curing complete as per specifications. MORTH Specification No. 601-do- with OPC at 150 kg/cum and coarse aggregate 0.86cum, fineaggregate 0.58cum using Concrete Batch mix Plant at 75 cum/hr capacity with fixed form paver. **(P.No. 174/ I. No. 22.1.2 of CSR 2018-19)**									
	CC PAVEMENT									
	9TH MAIN ROAD	1	1	30.00	4.00	0.15	18.00			
		1	1	30.00	4.05	0.15	18.23			
		1	1	30.00	3.65	0.15	16.43			

Scanned with CamScanner

DQ em	Item code	Description Of Item of work	Nos		Measurements			Quantity	Units	Rate	Amount
					Length	Breath	Depth				
1		2	3	4	5	6	7	8	9	10	11
			1	1	30.00	3.25	0.15	14.63			
			1	1	21.00	3.35	0.15	10.55			
		9TH MAIN ROAD 1ST CROSS R/S	1	1	41.00	2.30	0.15	14.15			
		9TH MAIN ROAD 2ND CROSS R/S	1	1	41.00	2.55	0.15	15.68			
		9TH MAIN ROAD 3RD CROSS R/S	1	1	37.00	2.90	0.15	16.10			
		9TH MAIN ROAD 3RD CROSS L/S	1	1	30.00	4.55	0.15	20.48			
			1	1	18.50	4.70	0.15	13.04			
			1	1	7.00	4.70	0.15	4.94			
		9TH MAIN ROAD 4TH CROSS R/S	1	1	30.00	3.00	0.15	13.50			
			1	1	11.00	3.45	0.15	5.69			
		9TH MAIN ROAD 4TH CROSS L/S	1	1	30.00	4.15	0.15	18.68			
			1	1	30.00	4.25	0.15	19.13			
			1	1	30.00	4.30	0.15	19.35			
			1	1	5.00	4.50	0.15	3.38			
		9TH MAIN ROAD 5TH CROSS R/S	1	1	30.00	2.50	0.15	11.25			
			1	1	12.00	2.50	0.15	4.50			
		9TH MAIN ROAD 6TH CROSS R/S	1	1	38.00	3.35	0.15	19.10			
		7TH MAIN ROAD	1	1	48.00	5.10	0.15	36.72			
					Total Qty			**313.49**	**Cum**	**3948.50**	**12,37,795.52**
12	20.18	KSRRB M400- Wet Mix Macadam KSRRB M400-17. Providing, laying, spreading and compacting crushed stone aggregates of granite / trap / basalt to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed method of tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications. MORTH Specification No. 406. **(P.No. 155/ I. No.20.18 of CSR 2018-19)**										
		CC PAVEMENT									
		9TH MAIN ROAD	1	1	30.00	4.00	0.15	18.00			
			1	1	30.00	4.05	0.15	18.23			
			1	1	30.00	3.65	0.15	16.43			
			1	1	30.00	3.25	0.15	14.63			
			1	1	21.00	3.35	0.15	10.55			
		9TH MAIN ROAD 1ST CROSS R/S	1	1	41.00	2.30	0.15	14.15			
		9TH MAIN ROAD 2ND CROSS R/S	1	1	41.00	2.55	0.15	15.68			
		9TH MAIN ROAD 3RD CROSS R/S	1	1	37.00	2.90	0.15	16.10			
		9TH MAIN ROAD 3RD CROSS L/S	1	1	30.00	4.55	0.15	20.48			
			1	1	18.50	4.70	0.15	13.04			
			1	1	7.00	4.70	0.15	4.94			
		9TH MAIN ROAD 4TH CROSS R/S	1	1	30.00	3.00	0.15	13.50			
			1	1	11.00	3.45	0.15	5.69			
		9TH MAIN ROAD 4TH CROSS L/S	1	1	30.00	4.15	0.15	18.68			
			1	1	30.00	4.25	0.15	19.13			
			1	1	30.00	4.30	0.15	19.35			
			1	1	5.00	4.50	0.15	3.38			
		9TH MAIN ROAD 5TH CROSS R/S	1	1	30.00	2.50	0.15	11.25			
			1	1	12.00	2.50	0.15	4.50			
		9TH MAIN ROAD 6TH CROSS R/S	1	1	38.00	3.35	0.15	19.10			
		7TH MAIN ROAD	1	1	48.00	5.10	0.15	36.72			
					Total Qty			**313.49**	**Cum**	**2001.28**	**6,27,371.26**

Scanned with CamScanner

DQ em	Item code	Description Of Item of work	Nos		Measurements Length	Breath	Depth	Quantity	Units	Rate	Amount
1		2	3	4	5	6	7	8	9	10	11
13	22.6.1	Cement concrete pavement.Construction of un-reinforced plain cement concrete pavement, thickness as per design, over a prepared sub base with OPC cement or any other type as per clause 1051.2.2 design mix M20/M30 , with 25mm and down size graded granite metal coarse aggregates and fine aggregtes , with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008 , mixed in a concrete mixer of not less than 0.6 cum capacity and appropriate weigh batcher as per approved mix design, laid in approved fixed side form work (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including levelling the form work as per drawing). Spreading the concrete with shovels, rackers compacted using needle, screed and plate vibrator and finished in a continuous operation including provision of contraction, expansion, construction and longitudinal joints including groove cutting charges, joint filler, separation membrane, selant primer, joint sealant, admixtures as approved, curing compound, finishing to lines and grades as per drawing complete as per specifications. - M30 (at 360Kg per cum coarse aggregate @ 0.69cum and fine aggregate @ 0.46cum) **(P.No. 176/ I. No.22.6.1 of CSR 2018-19)**									
		CC PAVEMENT									
		9TH MAIN ROAD	1	1	30.00	4.00	0.15	18.00			
			1	1	30.00	4.05	0.15	18.23			
			1	1	30.00	3.65	0.15	16.43			
			1	1	30.00	3.25	0.15	14.63			
			1	1	21.00	3.35	0.15	10.55			
		9TH MAIN ROAD 1ST CROSS R/S	1	1	41.00	2.30	0.15	14.15			
		9TH MAIN ROAD 2ND CROSS R/S	1	1	41.00	2.55	0.15	15.68			
		9TH MAIN ROAD 3RD CROSS R/S	1	1	37.00	2.90	0.15	16.10			
		9TH MAIN ROAD 3RD CROSS L/S	1	1	30.00	4.55	0.15	20.48			
			1	1	18.50	4.70	0.15	13.04			
			1	1	7.00	4.70	0.15	4.94			
		9TH MAIN ROAD 4TH CROSS R/S	1	1	30.00	3.00	0.15	13.50			
			1	1	11.00	3.45	0.15	5.69			
		9TH MAIN ROAD 4TH CROSS L/S	1	1	30.00	4.15	0.15	18.68			
			1	1	30.00	4.25	0.15	19.13			
			1	1	30.00	4.30	0.15	19.35			
			1	1	5.00	4.50	0.15	3.38			
		9TH MAIN ROAD 5TH CROSS R/S	1	1	30.00	2.50	0.15	11.25			
			1	1	12.00	2.50	0.15	4.50			
		9TH MAIN ROAD 6TH CROSS R/S	1	1	38.00	3.35	0.15	19.10			
		7TH MAIN ROAD	1	1	48.00	5.10	0.15	36.72			
					Total Qty			**313.49**	**Cum**	**5274.56**	**16,53,495.44**
14	22.7	Vaccum de-watering with vaccum pump and suction mat and compaction with skin floater clubbed with floating disc including cost of generator, HOM of machinery, Screed Vibratory, Power Floater, blade and disc etc., with all lead and lift. **(P.No. 176/ I. No.22.7 of CSR 2018-19)**									
		CC PAVEMENT									
		9TH MAIN ROAD	1	1	30.00	4.00		120.00			
			1	1	30.00	4.05		121.50			
			1	1	30.00	3.65		109.50			
			1	1	30.00	3.25		97.50			
			1	1	21.00	3.35		70.35			
		9TH MAIN ROAD 1ST CROSS R/S	1	1	41.00	2.30		94.30			
		9TH MAIN ROAD 2ND CROSS R/S	1	1	41.00	2.55		104.55			
		9TH MAIN ROAD 3RD CROSS R/S	1	1	37.00	2.90		107.30			

Scanned with CamScanner

	Item code	Description Of item of work	Nos		Measurements			Quantity	Units	Rate	Amount
					Length	Breath	Depth				
		2	3	4	5	6	7	8	9	10	11
		9TH MAIN ROAD 3RD CROSS L/S	1	1	30.00	4.55		136.50			
			1	1	18.50	4.70		86.95			
			1	1	7.00	4.70		32.90			
		9TH MAIN ROAD 4TH CROSS R/S	1	1	30.00	3.00		90.00			
			1	1	11.00	3.45		37.95			
		9TH MAIN ROAD 4TH CROSS L/S	1	1	30.00	4.15		124.50			
			1	1	30.00	4.25		127.50			
			1	1	30.00	4.30		129.00			
			1	1	5.00	4.50		22.50			
		9TH MAIN ROAD 5TH CROSS R/S	1	1	30.00	2.50		75.00			
			1	1	12.00	2.50		30.00			
		9TH MAIN ROAD 6TH CROSS R/S	1	1	38.00	3.35		127.30			
		7TH MAIN ROAD	1	1	48.00	5.10		244.80			
					Total Qty			**2089.90**	**Cum**	**72.08**	**1,50,639.99**
15	22.6.1	KSRRB M100-4.1. Cost of Haulage Excluding Loading and Unloading MORTH -100/ Chapter 1 Case-I : Surface Road ITEM no. 17.4 , KSRRB M100-1 Loading and Unloading of Stone Boulder / Stone aggregates /Sand/ Kanker / Moorum. KSRRB M100-1 : Placing tipper at loading point, loading with front end loader,dumping, turning for return trip, excluding time for haulage and return trip complete as per specifications. MORTH -100/ Chapter 1 (15 KM lead taken (PWD BCSR 2018-19, P - 136, I - 17.1 and as per lead statement in SR 18-19 P - 140)										
		QTY AS IN I NO 1						261.33			
		QTY AS IN I NO 2						268.62			
		QTY AS IN I NO 3						1,004.24			
					Total Qty			**1534.19**	**Cum**	**157.09**	**2,41,008.19**
		Basic Rate	2.0		TONNE/KM						
		average weight in ton/cum for earth	1.3		TONNE/CUM						
		add loading & unloading item No. 17.1 KSRRB M 100-1	57.0		CUM						
		add loading & unloading item No. 17.1 KSRRB M 100-1	(2 *1.30 *25 + 57) = 148.20								
		Basic Rate	148.2								
		A.W 6%	8.892								
		TOTAL RATE	157.1								

Scanned with CamScanner

Item code	Description Of item of work	Nos		Measurements			Quantity	Units	Rate	Amount
				Length	Breath	Depth				
	2	3	4	5	6	7	8	9	10	11
	Total amount									8580390.00
	ADD 12% GST									1029647.00
	SUB TOTAL									9610037.00
	ADD 4% KRIDL CHARGES									384401.00
	MISC AND ROUNDOFF									562.00
	TOTAL AMOUNT IN RS									9995000.00

1,00,00,000=00

Assistant Engineer
AE-14

Assistant Executive Engineer
T Dasarahalli Sub- Division
B.B.M.P

Executive Engineer
Dasarahalli Division
B.B.M.P

ADMINISTRATIVELY SANCTIONED FOR Rs 99.95 Lakh
(Rupees Ninety Nine lakh Ninety Five thousand only
Under the Head of Account P-1878
.....
.....
Registered as no EE(D.D.)/AS 02/20-21 Subject to conditions contained in Enclosed Memo
No. EE/DD/AS.../02/2020-21 Dt: 04/04/2020

Exe. Eng
JE/AE. (DASARAHALLI) BBMP

Technically Sanctioned For Rs: 100,00,000/-
Rs. In Words One Hundred lakhs only
Under P1878
Job Code No 014-20-00112
Registered as SE No 01 /20-21 subject to conditions contained in Enclosed Memo
No SE/DZ/TS/01/20-21 Dt 04/04/20

AE/JE TA SE(D)

Scanned with CamScanner

Name of Work :IMPROVEMENT OF CC ROADS, DRAINS AND OTHER WORKS AT GOWDIKE HOOLA (JODIDHAR NARASIMHAIAH LAYOUT) IN WARD NO 14

RATE ANALYSIS

Sl. No	Unit	Description of Item	Basic Rate	Cement Constant (Kgs)	Old Rate of cement per bag in Rs	Deduct Cement Cost in Rs for 2016-19 SR	New Issue Rate of cement per bag in Rs	Add Cement Cost in Rs as per Issue Rates	Finished Rate	Area Weightage 6% for road items & 8 % for drain items	Finished Rate	Remarks
1	2	3	4	5	6	7=(5*6)/50	8	9=(5*7)/50	10=4-7+9	11=10*0.06	12=10+11	10
1	Cum	KSRRB M200-24. Dismantling of cement concrete pavement by	899.00						899.00	53.94	952.94	
2	Cum	KSRRB M200-15.2. Dismantling of existing structures like culverts,	351.00						351.00	21.06	372.06	
3	Cum	KSRRB 300 - Excavation for road, drains and similar works KSRRB	130.00						130.00	7.80	137.80	
4	Cum	KSRB 4-1.7 : Providing and laying in position plain cement	5309.00	220.00	245.31	1079.36	264.06	1161.86	5391.50	323.49	5714.99	
5	Cum	Providing and laying palin / reinforced cement concrete for side	6670.00	300.00	245.31	1471.86	264.06	1584.36	6782.50	406.95	7189.45	
6	TONNE	KSRRB M2200- TMT/MS Bar Reinforcement KSRRB M2200-6.	68233.00						68233.00	4093.98	72326.98	
7	SQM	Providing & fixing Precast RCC slab of 100mm thick for drain in	1615.00						1615.00	0.00	1615.00	
8	SQM	Removing and resetting of footpath slab(P.No. 229/ I. No. 37.56	197.00						197.00	11.82	208.82	
9	SQM	KSRB 15.2.2 Providing ruled pointing to stone slab pavements	46.00						46.00	2.76	48.76	
10	SQM	KSRB 15.2.2 Providing ruled pointing to stone slab pavements	897.00						897.00	53.82	950.82	
11	Cum	KSRRB M600-1. Construction of dry lean cement concrete mix	3665.00	160.00	245.31	784.99	264.06	844.99	3725.00	223.50	3948.50	
12	Cum	KSRRB M400- Wet Mix Macadam KSRRB M400-17. Providing,	1888.00						1888.00	113.28	2001.28	
13	Cum	Cement concrete pavement.Construction of un-reinforced plain	4916.00	160.00	245.31	784.99	264.06	844.99	4976.00	298.56	5274.56	
14	SQM	Vaccum de-watering with vaccum pump and suction mat and	68.00						68.00	4.08	72.08	
15	SQM	KSRRB M100-4.1. Cost of Haulage Excluding Loading and	148.20						148.20	8.89	157.09	

Assistant Engineer-14

Assistant Executive Engineer
T Dsarahalli Sub - Division
B.B.M.P

Scanned with CamScanner

Name of Work :IMPROVEMENT OF CC ROADS, DRAINS AND OTHER WORKS AT GOWDIKE HOOLA (JODIDHAR NARASIMHAIAH LAYOUT) IN WARD NO 14

RATE ANALYSIS

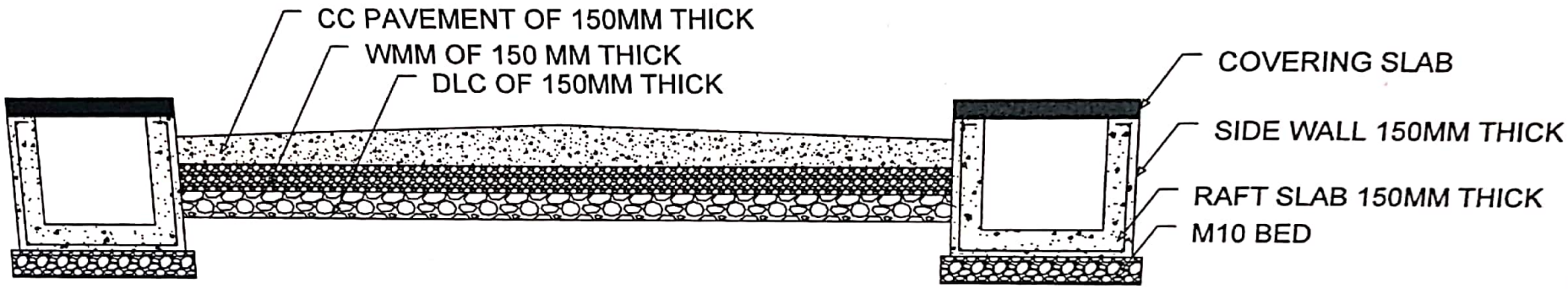
Sl. No	Unit	Description of Item	Basic Rate	Cement Constant (Kgs)	Old Rate of cement per bag in Rs	Deduct Cement Cost in Rs for 2018-19 SR	New Issue Rate of cement per bag in Rs	Add Cement Cost in Rs as per Issue Rates	Finished Rate	Area Weightage 6% for road items & 8 % for drain items	Finished Rate	Remarks
1	2	3	4	5	6	7=(5*6)/50	8	9=(5*7)/50	10=4-7+9	11=10*0.06	12=10+11	10
1	Cum	KSRRB M200-24. Dismantling of cement concrete pavement by	899.00						899.00	53.94	952.94	
2	Cum	KSRRB M200-15.2. Dismantling of existing structures like culverts,	351.00						351.00	21.06	372.06	
3	Cum	KSRRB 300 - Excavation for road, drains and similar works KSRRB	130.00						130.00	7.80	137.80	
4	Cum	KSRB 4-1.7 : Providing and laying in position plain cement	5309.00	220.00	245.31	1079.36	264.06	1161.86	5391.50	323.49	5714.99	
5	Cum	Providing and laying palin / reinforced cement concrete for side	6670.00	300.00	245.31	1471.86	264.06	1584.36	6782.50	406.95	7189.45	
6	TONNE	KSRRB M2200- TMT/MS Bar Reinforcement KSRRB M2200-6.	68233.00						68233.00	4093.98	72326.98	
7	SQM	Providing & fixing Precast RCC slab of 100mm thick for drain in	1615.00						1615.00	0.00	1615.00	
8	SQM	Removing and resetting of footpath slab(P.No. 229/ I. No. 37.56	197.00						197.00	11.82	208.82	
9	SQM	KSRB 15.2.2 Providing ruled pointing to stone slab pavements	46.00						46.00	2.76	48.76	
10	SQM	KSRB 15.2.2 Providing ruled pointing to stone slab pavements	897.00						897.00	53.82	950.82	
11	Cum	KSRRB M600-1. Construction of dry lean cement concrete mix	3665.00	160.00	245.31	784.99	264.06	844.99	3725.00	223.50	3948.50	
12	Cum	KSRRB M400- Wet Mix Macadam KSRRB M400-17. Providing,	1888.00						1888.00	113.28	2001.28	
13	Cum	Cement concrete pavement.Construction of un-reinforced plain	4916.00	160.00	245.31	784.99	264.06	844.99	4976.00	298.56	5274.56	
14	SQM	Vaccum de-watering with vaccum pump and suction mat and	68.00						68.00	4.08	72.08	
15	SQM	KSRRB M100-4.1. Cost of Haulage Excluding Loading and	148.20						148.20	8.89	157.09	

Assistant Engineer-14

Assistant Executive Engineer
T Dsarahalli Sub - Division
B.B.M.P

Scanned with CamScanner

CROSS SECTION OF PROPOSED CC PAVEMENT AND DRAIN



Assistant Engineer
AE-14
B.B.M.P

Assistant Executive Engineer
T-Dasarahalli Sub Division
B.B.M.P

Scanned with CamScanner